

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code		NPDES		yr/mo/day		Inspection Type		Inspector		Fac Type	
1	N			WAU0005216		110222	=		R		3
Remarks											
JB 3-1-201											
21											
Inspection Work Days											
67		2	0	69	Facility Self-Monitoring Evaluation Rating						
					70						
					71						
					72						
					73						
					74						
					75						
					76						
					77						
					78						
					79						
					80						

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Roger and Jackie Blok Dairy 687 Beard Road Lynden, WA 98264	Entry Time/Date 12:50 PM / 2/22/11	Permit Effective Date NA
	Exit Time/Date 2:55 PM / 2/22/11	Permit Expiration Date NA
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Roger Blok, owner and operator (b) (6)	Other Facility Data (e.g., SIC NAICS, and other descriptive information) SIC 0241 NAICS 112120 Unpermitted	
Name, Address of Responsible Official/Title/Phone and Fax Number Roger Blok, owner and operator 687 Beard Road Lynden, WA 98264 (b) (6)	<div> <div>Contacted</div> <div> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </div> </div>	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input type="checkbox"/> Permit	<input type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments



(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
• • • • • • • • • •	_____
• • • • • • • • • •	_____
• • • • • • • • • •	_____
• • • • • • • • • •	_____

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Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Dustan Bott 	EPA / OCE / (206)-553-5502	2/25/11
Jon Klemesrud	EPA / OCE / (206)-553-5068	
Steven Potokar	EPA / OCE / (206)-553-6354	
Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date
	EPA / OCE (206) 553-5317	3/21/11

NPOES WAU ~~000~~ 526

PCS.
3-1-2011 JJ Brown

INSTRUCTIONS

Section A: National Data System Coding (i.e., PCS)

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. (Use the Remarks columns to record the State permit number, if necessary.)

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A Performance Audit	U IU Inspection with Pretreatment Audit	! Pretreatment Compliance (Oversight)
B Compliance Biomonitoring	X Toxics Inspection	@ Follow-up (enforcement)
C Compliance Evaluation (non-sampling)	Z Sludge - Biosolids	{ Storm Water-Construction-Sampling
D Diagnostic	# Combined Sewer Overflow-Sampling	} Storm Water-Construction-Non-Sampling
F Pretreatment (Follow-up)	\$ Combined Sewer Overflow-Non-Sampling	: Storm Water-Non-Construction-Sampling
G Pretreatment (Audit)	+ Sanitary Sewer Overflow-Sampling	~ Storm Water-Non-Construction-Non-Sampling
I Industrial User (IU) Inspection	& Sanitary Sewer Overflow-Non-Sampling	< Storm Water-MS4-Sampling
J Complaints	\ CAFO-Sampling	- Storm Water-MS4-Non-Sampling
M Multimedia	= CAFO-Non-Sampling	> Storm Water-MS4-Audit
N Spill	2 IU Sampling Inspection	
O Compliance Evaluation (Oversight)	3 IU Non-Sampling Inspection	
P Pretreatment Compliance Inspection	4 IU Toxics Inspection	
R Reconnaissance	5 IU Sampling Inspection with Pretreatment	
S Compliance Sampling	6 IU Non-Sampling Inspection with Pretreatment	
	7 IU Toxics with Pretreatment	

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A — State (Contractor)	O — Other Inspectors, Federal/EPA (Specify in Remarks columns)
B — EPA (Contractor)	P — Other Inspectors, State (Specify in Remarks columns)
E — Corps of Engineers	R — EPA Regional Inspector
J — Joint EPA/State Inspectors—EPA Lead	S — State Inspector
L — Local Health Department (State)	T — Joint State/EPA Inspectors—State lead
N — NEIC Inspectors	

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2 — Industrial. Other than municipal, agricultural, and Federal facilities.
- 3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4 — Federal. Facilities identified as Federal by the EPA Regional Office.
- 5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

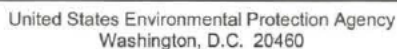
Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

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11/12/02 10:22/03 32, 49



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(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

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EPA Form 3560-3 (Rev 1-06) Previous editions are obsolete.

PCS
3-1-2011

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***NPDES
Inspection Report***

***Roger and Jackie Blok Dairy
Lynden, WA***

Prepared by:

***Dustan Bott
Environmental Protection Agency, Region 10
Office of Compliance and Enforcement
Inspection and Enforcement Management Unit***

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 - B. Blanker's Place
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- VIII. Closing Conference
- IX. Areas of Concern

Attachment A. Photograph Documentation

Unless otherwise noted, all details in this inspection report were obtained from conversations with Roger Blok, or from observations made during the inspection.

I. Facility Information

Facility Name: Roger and Jackie Blok Dairy

Facility Contact(s): Roger Blok, Owner and Operator
687 Beard Road
Lynden, WA 98264
Phone: (b) (6)

SIC Code
Facility Type: 0241 Dairy Farms

GPS Coordinates: Main Facility: 48.88368, - 122.45353
Scotty's Facility: 48.89623, - 122.53973

Facility Location: 687 Beard Road
Lynden, WA 98264

Mailing Address: 687 Beard Road
Lynden, WA 98264

II. Inspection Information

Inspection Date: February 22, 2011

Inspectors: Dustan Bott, Inspector
EPA Region 10, OCE / IEMU
(206) 553-5502

Steven Potokar, Inspector
EPA Region 10, OCE / NCU
(206) 553-6354

Jon Klemesrud, Inspector
EPA Region 10, OCE / IEMU
(206) 553-5068

Arrival Time: 12:50 PM

Departure Time: 2:55 PM

Weather Condition: 46° F, Partly cloudy

Purpose: The inspection was conducted to document the facility's compliance with the Concentrated Animal Feeding Operation (CAFO) Regulations pursuant to the Clean Water Act (CWA).

III. Owner and Operator Information

The Roger and Jackie Blok Dairy is owned and operated by Roger Blok (b) (6)

IV. Inspection Entry

This was an unannounced NPDES inspection. Steven Potokar, Jon Klemesrud and I arrived at the Roger and Jackie Blok Dairy at 12:50 PM on Tuesday, February 22, 2011 to conduct the inspection with Roger Blok, the owner and operator of the facility.

Upon arrival at the facility, we were greeted by Roger Blok. At this time, Steven and I identified ourselves as EPA inspectors, presented our credentials to Mr. Blok and gave him a business card. I informed him that the purpose of this visit was to conduct a compliance inspection to determine compliance with the Clean Water Act.

V. Scope of Inspection

This inspection consisted of an opening conference to conduct initial introductions and to discuss the purpose and expectations of the inspection; a facility tour and a closing conference to discuss compliance related concerns.

VI. Facility Inspection

After introductions and presentation of our credentials, I explained the purpose of the visit to Mr. Blok and then we began the inspection with a brief opening conference.

After the opening conference we proceeded to conduct a tour of the dairy farm facility, which included a tour of all three locations of the operation. The facility tour consisted of an inspection of the barns where cows are confined, the feed storage area, chemical storage area, and the facility waste handling systems.

Following the records review, we conducted a closing conference with Mr. Blok where we discussed our inspection observations.

VII. Background and Facility Description

Roger and Jackie Blok Dairy is a large sized CAFO dairy operation that has been operated by the Blok (b) (6) since 1981. This facility does not have an NPDES permit. This operation consists of three separately located but interrelated facilities. Mr. Blok referred to these three locations as the Main facility, "Blanker's Place", and "Scotty's".

See photos 1 and 2 for aerial views of these locations. All three of these locations are part of the Dairy's operation and are included in the Nutrient Management Plan (NMP) for the Dairy. The NMP was last updated in February of 2011 by the Whatcom Conservation District. For the purposes of this inspection, Scotty's is considered a separate facility. Each of these locations have a waste storage lagoon and some cows in confinement. Mr. Blok did not know the storage volume for each of the lagoons but said that his total storage volume for all three lagoons was about 7.8 million gallons. He estimated that they had about 4 months of total waste storage capacity with the three lagoons. Mr. Blok indicated that the total acreage of the facility is 450 acres and they lease another 50-60. Approximately 490 acres of farmland is utilized for land application of the manure from this Dairy operation.

At the time of the inspection, Mr. Blok indicated that the dairy operation consisted of a total of 500 milkers, 75-80 dry cows, and approximately 470 heifers (calves are included in the heifer count). Most of these animals are confined year round, but Mr. Blok estimated that about 150 are pastured in the drier months (typically May – October).

See photos 1 and 2 in Attachment A for aerial views of these three facilities. Each location is discussed in more detail in this section.

A. Main Facility

The Main Facility, located at 687 Beard Road, is the site of the original (b) (6) operation since 1981. The Main Facility is where the majority of the animals are confined; all of the milking is done and contains the largest of the three lagoons. All of the 500 milkers are located here, as well as about 120 heifers and calves. The lagoon, built in 1993, is connected via underground pipes to the lagoon at Blanker's Place and to some of the fields for land application. According to Mr. Blok, the nearest waterway to the Main Facility is an unnamed ditch.

The manure from the confinement areas is scrapped, either with auto scrapers (on a timer, about 6 times daily) or with a tractor into underground tunnels that collect into a 20,000 gallon pit. Manure from the pit is then pumped into the lagoon at this facility.

The feed at this location is stored in bunkers and covered with plastic. Any leachate from the feed storage area drains into a pipe that goes under the bunker wall and into the adjacent field. At the time of the inspection, the field had a drainage channel that dispersed into the field, which was corn stubble. See photos 3 and 4 in Attachment A.

B. Blanker's Place

Blanker's Place is located at 465 Beard Road, which is about 0.6 miles west of the main facility. The Dairy purchased this location in 1993. Blanker's Place consists of a confinement area and a 1.4 million gallon lagoon. The lagoon is connected by underground pipes to the lagoon at the Main Facility as well as to nearby fields for land

application. The underground pipe is used to transfer manure between lagoons or to nearby fields for land application. According to Mr. Blok, the nearest waterway to Blanker's Place is an unnamed ditch.

Mr. Blok indicated there was about 80 heifers and 50 dry cows at this location at the time of the inspection. The confinement areas here are scraped with a tractor as needed, which was typically twice a week according to Mr. Blok.

C. Scotty's Place

Roger and Jackie Blok Dairy purchased Scotty's Place from (b) (6) in 2008. This facility, located at 7021 Northwest Road, is about 5 miles west of the main facility. This location consists of a lagoon (estimated at 1.4 million gallon capacity), a confinement area and a small milking parlor. The lagoon at Scotty's Place is not connected to the lagoons at the other two locations of this dairy operation. As stated above, this location is considered a separate facility for the purposes of this inspection. The milking parlor is currently not in use. At the time of the inspection, there were about 270 heifers at this location. The confinement area here is scraped with a tractor into the lagoon every other day, or about 3-4 times a week according to Mr. Blok. According to Mr. Blok, the nearest waterway to this location is the Nooksack River.

VIII. Closing Conference

After the tour of all three locations, we held a brief closing conference with Mr. Blok at the Main Facility. We discussed our inspection observations, thanked him for his time, and then departed the facility.

IX. Areas of Concern

There were no areas of concern identified during our inspection.

Report Completion Date:

3/21/11

Lead Inspector Signature:

Dustin Britt

ATTACHMENT A

Photograph Documentation



Photo 1. This is an aerial photo from Google Earth showing two of the locations that are part of the Roger and Jackie Blok Dairy, and their proximity to an unnamed Ditch. The Main Facility for this Dairy is on the right, and Blanker's Place is on the left.



Photo 2. This is an aerial photo overview (from Google Earth) of the Scotty's Place location of the Roger and Jackie Blok Dairy. Note the proximity to the Nooksack River.



Photo 3. This is a close up where the leachate from the feed storage area enters into the adjacent field (looking south).



Photo 4. This is a close up where the leachate from the feed storage area infiltrates into the adjacent field (looking north).



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